

**TRANSMITTAL LETTER  
TO THE UNITED STATES ELECTED OFFICE (EO/US)  
(ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)**

**PCT/JP03/04217****Filed: April 2, 2003**

INTERNATIONAL APPLICATION NO:

INTERNATIONAL FILING DATE

**Japanese Appln. 2002-103080****Filed: April 4, 2002**

PRIORITY

DATE CLAIMED

**METHOD OF MANUFACTURING OPTICAL COMMUNICATION SYSTEM**

TITLE OF INVENTION

**Yorishige ISHII, Toshihiro TAMURA, Tetsuo IWAKI, and Yukio KURATA**  
APPLICANT(S)**Mail Stop PCT****Atten: EO/US****Commissioner for Patents****P.O. Box 1450****Alexandria, VA 22313-1450****CERTIFICATE OF MAILING**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as **EXPRESS MAIL Label No.: EV 438995767 US** in an envelope addressed to: BOX PCT, ATTN: EO/US, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: **July 8, 2004**By: 

Helen Murray Tarbi

**NOTE:** To avoid abandonment of the application, the applicant shall furnish to the USPTO, not later than 20 months from the priority date: (1) a copy of the international application, unless it has been previously communicated by the International Bureau or unless it was originally filed in the USPTO; and (2) the basic national fee (see 37 C.F.R. Section 1.492(a)). The 30-month time limit may not be extended. 37 C.F.R. Section 1.495.

**WARNING:** Where the items are those which can be submitted to complete the entry of the international application into the national phase are subsequent to 30 months from the priority date the application is still considered to be in the international state and if mailing procedures are utilized to obtain a date the express mail procedure of 37 C.F.R. Section 1.10 must be used (since international application papers are not covered by an ordinary certificate of mailing - See 37 C.F.R. Section 1.8).

**NOTE:** Documents and fees must be clearly identified as a submission to enter the national state under 35 USC 371 otherwise the submission will be considered as being made under 35 U.S.C. Section 111. 37 C.F.R. Section 1.494(f).

10/501186

DT04 Rec'd PCT/PTO 08 JUL 2004

1. Applicant herewith submits to the United States Elected Office (EO/US) the following items under 35 U.S.C. 371:

☒ This express request to immediately begin national examination procedures (35 U.S.C. Section 371(f)).

☒ The U.S. National Fee (35 U.S.C. Section 371(c)(1)) and other fees (37 C.F.R. Section 1.492) as indicated below: 2. Fees

CLAIMS FEE	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
<input type="checkbox"/> *	TOTAL CLAIMS	8 - 20 =		x \$ 18.00 =	\$
	INDEPENDENT CLAIMS	4 - 3 =		x \$ 86.00 =	\$ 86.00
	MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00				\$ 290.00
ASIC FEE**	<input type="checkbox"/> U.S. PTO WAS INTERNATIONAL PRELIMINARY EXAMINATION AUTHORITY Where an International preliminary examination fee as set forth in Section 1.482 has been paid on the international application to the U.S. PTO: <input type="checkbox"/> and the international preliminary examination report states that the criteria of novelty, inventive step (non-obviousness) and industrial activity, as defined in PCT Article 33(2) to (4) have been satisfied for all the claims presented in the application entering the national stage (37 C.F.R. Section 1.492(a)(4)) ..... \$100.00 <input type="checkbox"/> and the above requirements are not met (37 C.F.R. Section 1.492(a)(1)) ..... \$710.00  <input checked="" type="checkbox"/> U.S. PTO WAS NOT INTERNATIONAL PRELIMINARY EXAMINATION AUTHORITY Where no international preliminary examination fee as set forth in Section 1.482 has been paid to the U.S. PTO, and payment of an international search fee as set forth in Section 1.445(a)(2) to the U.S. PTO: <input type="checkbox"/> has been paid (37 C.F.R. 1.492(a)(2)) ..... \$ 770.00 <input type="checkbox"/> has not been paid (37 C.F.R. 1.492(a)(3)) ..... \$1,080.00 <input type="checkbox"/> where a search report on the international application has been prepared by the European Patent Office or the Japanese Patent Office (37 C.F.R. Section 1.492(a)(5)) ..... \$920.00				
	Total of above Calculations				\$ 920.00
SMALL ENTITY	Reduction by 1/2 for filing by small entity, if applicable. Affidavit must be filed. (note 37 C.F.R. Sections 1.9, 1.27, 1.28)				\$
	Processing fee of \$130.00 for furnishing the English Translation/Declaration after filing of this application.				\$
	Total National Fee				\$ 1,296.00
	Fee for recording the enclosed assignment document \$40.00 (37 C.F.R. 1.21(h)). (See Item 13 below). See attached "ASSIGNMENT COVER SHEET".				\$ 40.00
TOTAL	Total Fees enclosed				\$ 1,336.00

- i. ☒ Check in the amount of **\$1,336.00** to cover the above fees is enclosed.
- ii. ☐ Please charge Account No. in the amount of \$

10/501186

DT04 Rec'd PCT/PTO 08 JUL 2004

**\*\* WARNING:** "To avoid abandonment of the application the applicant shall furnish to the United States Patent and Trademark Office not later than the expiration of 30 months from the priority date: \* \* \* (2) the basic national fee (see Section 1.492(a)). The 30-month time limit may not be extended." 37 C.F.R. Section 1.495(b).

**WARNING:** If the translation of the international application and/or the oath or declaration have not been submitted by the applicant within thirty (30) months from the priority date, such requirements may be met within a time period set by the Office. 37 C.F.R. Section 1.495(b)(2). The payment of the surcharge set forth in Section 1.492(e) is required as a condition for accepting the oath or declaration later than thirty (30) months after the priority date. The payment of the processing fee set forth in Section 1.492(f) is required for acceptance of an English translation later than thirty (30) months after the priority date. Failure to comply with these requirements will result in abandonment of the application. The provisions of Section 1.136 apply to the period which is set. Notice of Jan. 3, 1993, 1147 O.G. 29 to 40.

2. ☒ A copy of the International application as filed (35 U.S.C. Section 371(c)(2)):

**NOTE:** Section 1.495 (b) was amended to require that the basic national fee and a copy of the international application must be filed with the Office by 30 months from the priority date to avoid abandonment "The International Bureau normally provides the copy of the international application to the Office in accordance with PCT Article 20. At the same time, the International Bureau notifies applicant of the communication to the Office. In accordance with PCT Rule 47.1, that notice shall be accepted by all designated offices as conclusive evidence that the communication has duly taken place. Thus, if the applicant desires to enter the national stage, the applicant normally need only check to be sure the notice from the International Bureau has been received and then pay the basic national fee by 30 months from the priority date." Notice of Jan. 7, 1993, 1147 O.G. 29 to 40, at 35-36. See item 14c below.

- a. ☒ is transmitted herewith.
- b. ☐ is not required, as the application was filed with the United States Receiving Office.
- c. ☐ has been transmitted
  - i. ☐ by the International Bureau.
  - ii. ☐ by applicant on \_\_\_\_\_

3. ☒ A translation of the International application into the English language (35 U.S.C. Section 371(c)(2)):

- a. ☒ is transmitted herewith.
- b. ☐ is not required as the application was filed in English.
- c. ☐ was previously transmitted by applicant on Date \_\_\_\_\_
- d. ☐ will follow.

4. ☒ Amendments to the claims of the International application under PCT Article 19 (35 U.S.C. Section 371(c)(3)):

**NOTE:** The Notice of January 7, 1993 points out that 37 C.F.R. Section 1.495(a) was amended to clarify the existing and continuing practice that PCT Article 19 amendments must be submitted by 30 months from the priority date and this deadline may not be extended. The Notice further advises that: "The failure to do so will not result in loss of the subject matter of the PCT

Article 19 amendments. Applicant may submit that subject matter in a preliminary amendment filed under Section 1.121. In many cases, filing an amendment under Section 1.121 is preferable since grammatical or idiomatic errors may be corrected." 1147 O.G. 29-40, at 36.

- a. ☐ are transmitted herewith.
  - b. ☐ have been transmitted
    - i. ☐ by the International Bureau.
    - ii. ☐ by applicant on .
  - c. ☒ have not been transmitted as
    - i. ☒ applicant chose not to make amendments under PCT Article 19.
    - ii. ☐ the time limit for the submission of amendments has not yet expired. The amendments or a statement that amendments have not been made will be transmitted before the expiration of the time limit under PCT Rule 46.1.
5. ☒ A translation of the amendments to the claims under PCT Article 19 (38 U.S.C. Section 371(c)(3)):
- a. ☐ is transmitted herewith.
  - b. ☐ is not required as the amendments were made in the English language.
  - c. ☒ has not been transmitted for reasons indicated at point 5(c) above.
6. ☐ A copy of the international examination report.
  - ☐ is transmitted herewith.
  - ☐ is not required as the application was filed with the United States Receiving Office.
7. ☐ A translation of the relevant portions of the international preliminary examination report
  - a. ☐ is transmitted herewith.
  - b. ☐ is not required as the annexes are in the English language.
8. ☒ An oath or declaration of the inventor (35 U.S.C. Section 371(c)(4)) complying with 35 U.S.C. 115
  - a. ☐ was previously submitted by applicant on
  - b. ☒ is submitted herewith, and such oath or declaration
    - i. ☐ is attached to the application.
    - ii. ☐ identifies the application and any amendments under PCT Article 19 that were transmitted as stated in points 3(b) or 3(c) and 5(b); and states that they were reviewed by the inventor as required by 37 C.F.R. Section 1.70.
  - c. ☐ will follow.

10/501186

DT04 Rec'd PCT/PTO 08 JUL 2004

Other document(s) or information included:

9. ☒ An International Search Report
- a. ☒ is transmitted herewith.
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was searched by the United States International Searching Authority.
  - d. ☐ will be transmitted promptly upon request.
  - e. ☐ has been submitted by applicant on Date
10. ☒ An Information Disclosure Statement under 37 C.F.R. Sections 1.97 and 1.98:
- a. ☒ is transmitted herewith.  
Also transmitted herewith is/are:
    - ☒ Form PTO-1449 (PTO/SB/08A and 08B).
    - ☒ Copies of citations listed.
  - b. ☐ will be transmitted within THREE MONTHS of the date of submission of requirements under 35 U.S.C. Sections 371(c).
  - c. ☐ was previously submitted by applicant on Date
11. ☒ An assignment document is transmitted herewith for recording.
- A separate ☒ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or ☐ FORM PTO 1595 is also attached.
12. ☒ Additional documents:
- a. ☒ Copy of request
  - b. ☒ International Publication No. WO 03/085864
    - i. ☒ Specification, claims and drawings
    - ii. ☐ Front page only
  - c. ☐ PCT/IB/301
  - d. ☒ PCT/IB/304
  - e. ☒ PCT/IB/308

DT04 Rec'd PCT/PTO 0 8 JUL 2004

- f. ☐ PCT/ISA/237
- g. ☐ Preliminary amendment (37 C.F.R. Section 1.121)
- h. ☐ Other (Written Opinion of EPO dated \_\_\_\_\_)
13. ☒ The above checked items are being transmitted
- a. ☒ before 30 months from any claimed priority date.
- b. ☐ after 30 months.
14. ☐ Certain requirements under 35 U.S.C. 371 were previously submitted by the applicant on, namely:

**AUTHORIZATION TO CHARGE ADDITIONAL FEES**

**WARNING:** Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges if extra claims are authorized.

**NOTE:** "A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under Section 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in Section 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. Section 1.136(a)(3).

**NOTE:** "Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. Section 1.26(a).

☒ The Commissioner is hereby authorized to charge the following additional fees that may be required by this paper and during the entire pendency of this application to Account No. 04-1105.

☒ 37 C.F.R. Section 1.492(a)(1), (2), (3), and (4) (filing fees)

**WARNING:** Because failure to pay the national fee within 30 months without extension (37 C.F.R. Section 1.495(b)(2)) results in abandonment of the application, it would be best to always check the above box.

☒ 37 C.F.R. Section 1.492(b), (c) and (d) (presentation of extra claims)

**NOTE:** Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice

of fee deficiency (37 C.F.R. Section 1.492(d)), it might be best not to authorize the PTO to charge additional claim fees, except possible when dealing with amendments after final action.

DT04 Rec'd PCT/PTO 08 JUL 2004

- ☒ 37 C.F.R. Section 1.17 (application processing fees)
- ☒ 37 C.F.R. Section 1.17(a)(1)-(5)(extension fees pursuant to Section 1.136(a).
- ☐ 37 C.F.R. Section 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. Section 1.311(b))

*NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. Section 1.311(b).*

*NOTE: 37 C.F.R. 1.28(b) requires "Notification of any change in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying . . . issue fee." From the wording of 37 C.F.R. Section 1.28(b): (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.*

- ☐ 37 C.F.R. Section 1.492(e) and (f) (surcharge fees for filing the declaration and/or filing an English translation of an International Application later than 30 months after the priority date).

Respectfully submitted,



George W. Heuner (Reg. No. 26,964)  
EDWARDS & ANGELL, LLP  
P.O. Box 55874  
Boston, MA 02205  
Tel: 617-439-4444  
Fax: 617-439-4170

Date: July 8, 2004

Customer No: 21,874